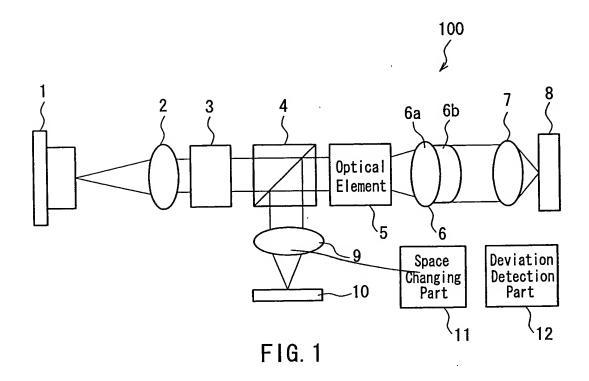
Docket No.: 10873.1239US01
Title: OPTICAL ELEMENT, OPTICAL HEAD, METHOD FOR CORRECTING SPHERICAL
ABERRATION, AND OPTICAL RECORDING/REPRODUCING APPARATUS
Attorney Name: Douglas P. Mueller
Phone No.: 612.371.5237
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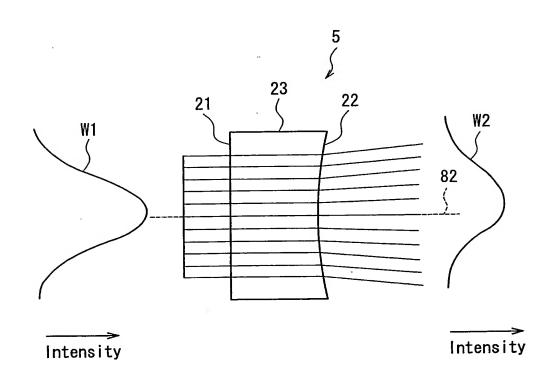


FIG. 2

Docket No.: 10873.1239US01
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Attorney Name: Douglas P. Mueller
Phone No.: 612.371.5237
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	-07	90-	-07	99	-07	-07	-01	8	
а5	-1.6E	5. 7E-06	-1.3E	-9E-06 2. 16E-06	-1.7E	2. 38E	-1. 69E	4. 73E	
a4	-2E-05 2.32E-06 -1.6E-07	-2. 5E-05	-8. 4E-06 1. 07E-06 -1. 3E-07	-9E-06	1. 63E-06	-3. 6E-07	1. 78E-06	6. 54E-07	
a3	-2E-05	0.000104 -2.5E-05		5. 02E05	-1. 7E-06	7. 7E-05 1. 27E-05 -3. 6E-07 2. 38E-07	-1.82E-06	7. 78E-06	
a2	7. 04E-05	0.000219	0.00289 0.000135	0.000159	9.34E-05	7. 7E-05	7. 88E-05	6.34E-05	
<u>a</u>	-1 0.005138 7.04E-05	-1 0.003795 0.000219	0.00289	0.002414 0.000159	-1 0.000779 9.34E-05 -1.7E-06 1.63E-06 -1.7E-07	-1 0.000712	-1 4.72E-04 7.88E-05 -1.82E-06 1.78E-06 -1.69E-07	-1 4.17E-04 6.34E-05 7.78E-06 6.54E-07 4.73E-08	
×	-	-	1	T	Т	T	-1	-	
8	-28. 6253	30.51579	-52. 1811	21. 38189	-516.948	15.82058	1412. 483	45.1872	
Rim Intensity Improvement Rate	.5 First Curve Surface	Second Curve Surface	1.3 First Curve Surface	Second Curve Surface	First Curve Surface	Second Curve Surface	.07 First Curve Surface	Second Curve Surface	
Rim Intens	1.5		1.3				1.07		

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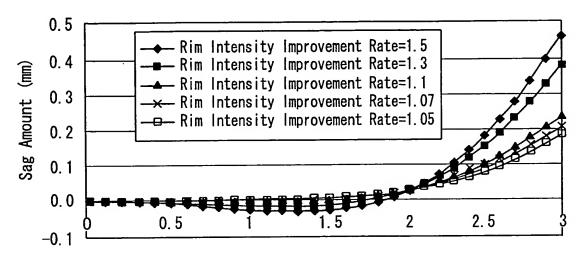
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Attorney Name: Douglas P. Mueller Phone No.: 612.371.5237

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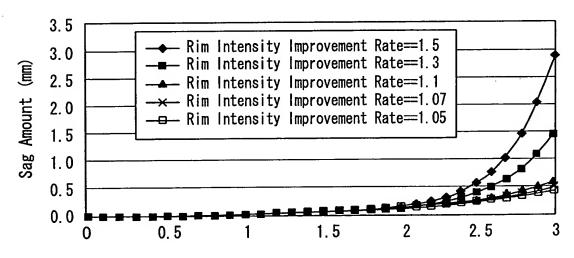
Sag Amount of First Surface



Distance from Center on radius (mm)

FIG. 4A

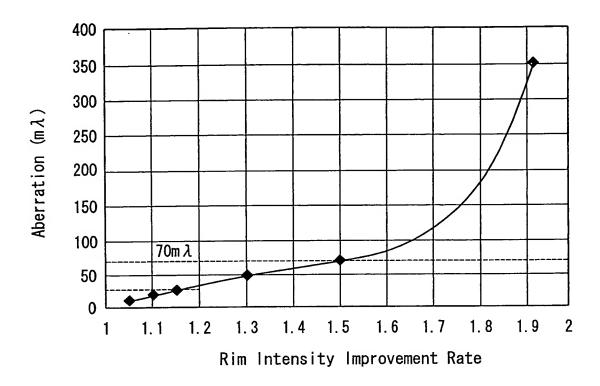
Sag Amount of Second Surface



Distance from Center on radius (mm)

FIG. 4B

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F1G. 5

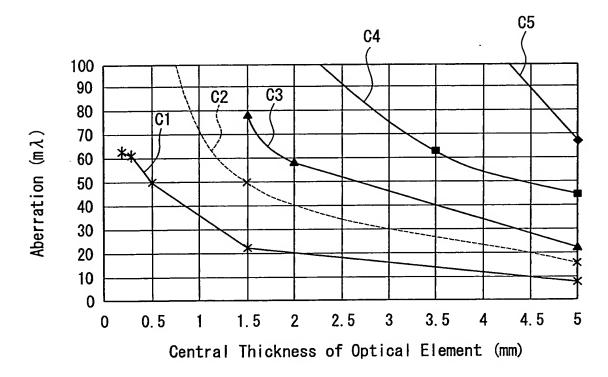
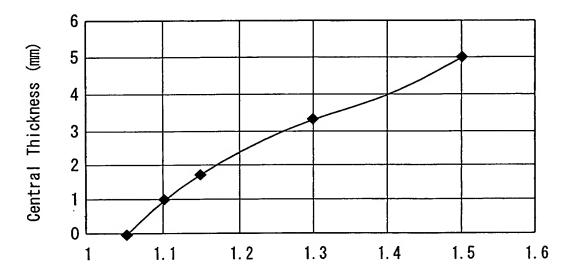


FIG. 6

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Rim Intensity Improvement Rate

FIG. 7

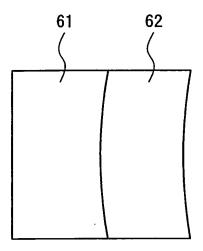


FIG. 8

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Title: OPTICAL ELEMENT, OPTICAL HEAD, METHOD FOR CORRECTING SPHERICAL ABERRATION, AND OPTICAL RECORDING/REPRODUCING APPARATUS Attorney Name: Douglas P. Mueller Phone No.: 612.371.5237
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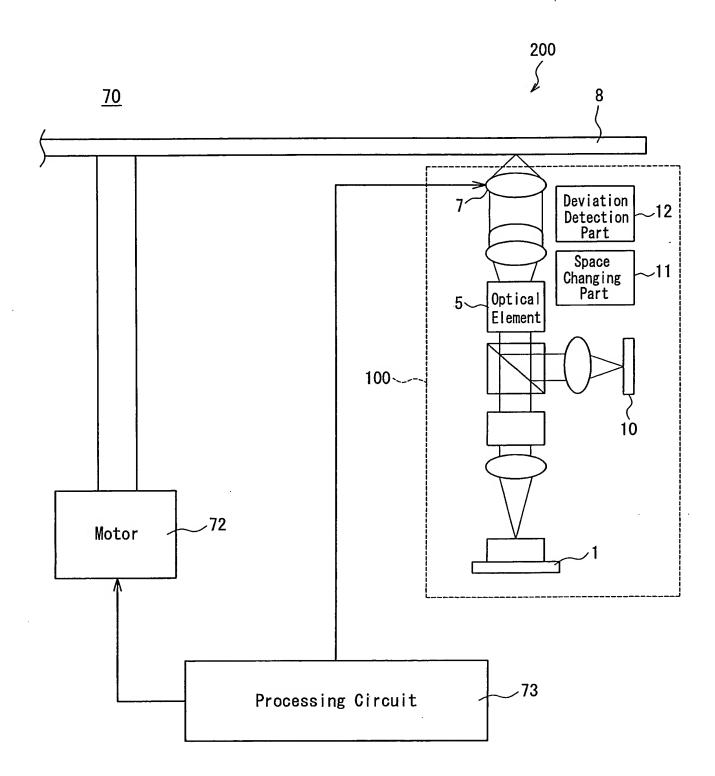


FIG. 9

Docket No.: 10873.1239US01

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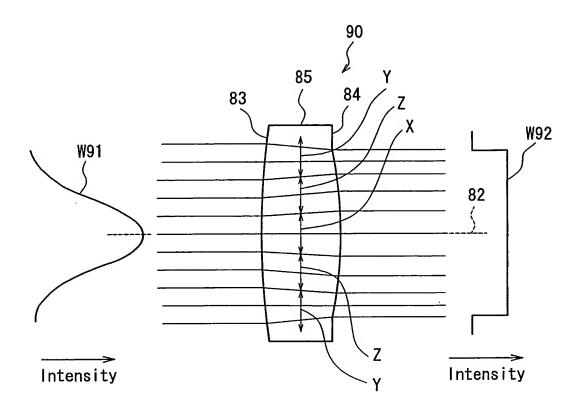


FIG. 10 PRIOR ART